

Files

April 19, 1982

300.16.02

452-1714

Tom Moyer
AQP/Fbks.

TEM

ARCO - Kuparuk Central
Processing Facility InspectionDave Estes
Env. Eng./Juneau

DE

On April 12, 1982, Dave Estes, Ron McCallister, Larry Dietrick, Glenn Akins, and I toured the ARCO Kuparuk CPF with Pete Hellstrom. Although it was mainly an informational tour, Dave and I observed the following regarding air quality. Bill Paxson showed us around the oil/gas separation area, Randy Smith showed us around the gas/oil/water area.

The facility was processing 92,000 bbls/day of oil and 125,000 cu.ft./day of gas. The compressors were running at maximum to keep that rate, run by 2 GE Frame 3 15,000 HP gas turbines. No. ML# 0399X02191A was running at 888° F. exhaust temperature. We did not record data for the other turbine.

Upset conditions have been mainly dry gas according to Mr. Paxson. They "need another injection well" he said as they are running at capacity, sometimes above nameplate. Within 2 weeks, they will have the second of three injection wells, as they are working over a nearby well.

Power generation is accomplished by three 5,000 HP (each) turbines, (fourth on standby), producing 7 MW. Glycol heaters (four, one standby), were running at 550° F. exhaust temperature. The flare was on pilot. The incinerator was running at exhaust temperature of 1,600° F. The 9% sludge is burned every other day at 1,000 lbs./hr. for 4 hours. Emissions from all sources were 0%.

TM/gt

USEPA REG



0000022